

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P935840

Luminaire Tested: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-6-4000K

Issue Date: 12/17/2024

**Test Information**

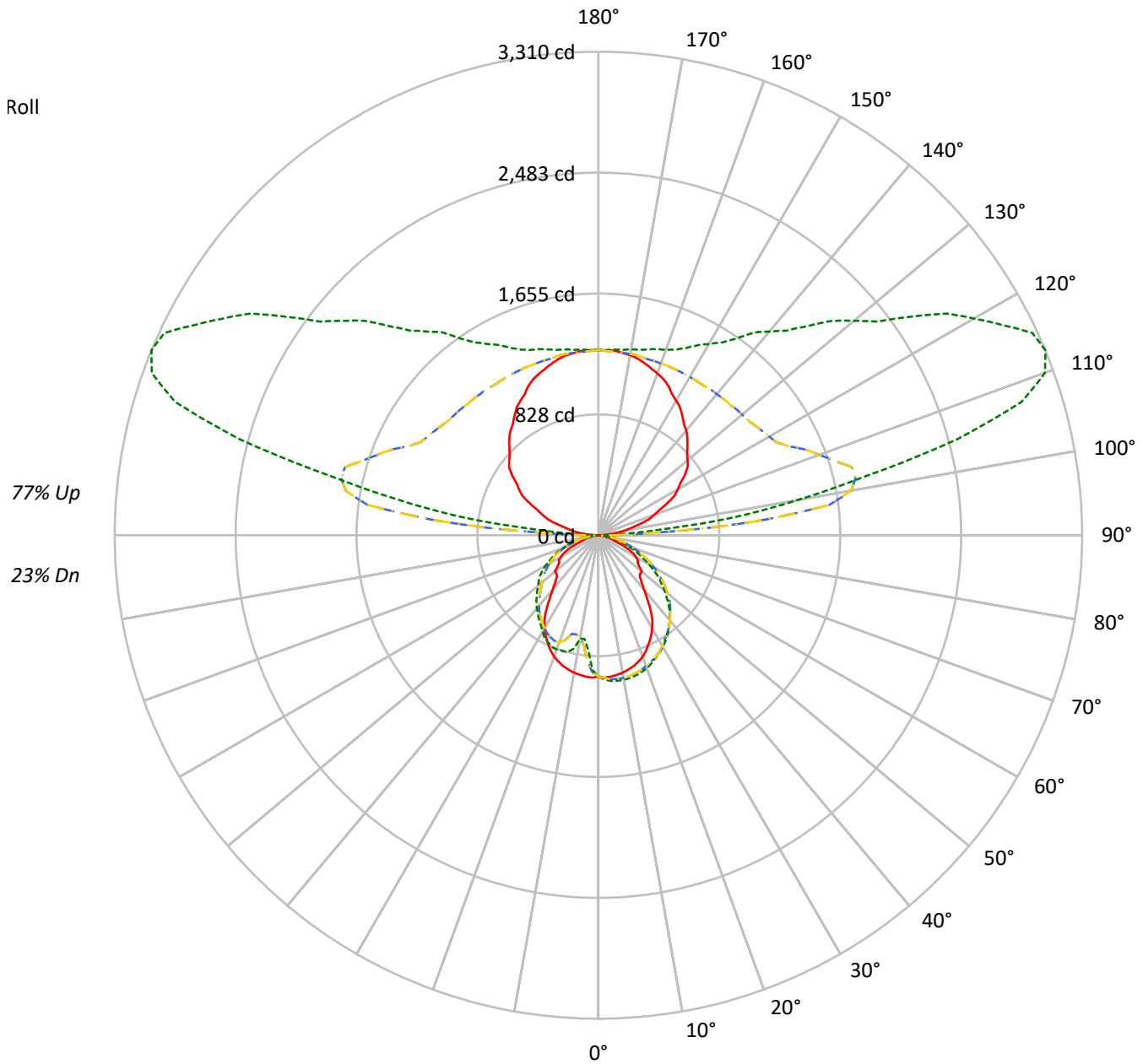
Test Method: LM-79-2019  
Report Number: P935840  
REPORT IS A COMBINATION OF REPORTS P933771 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-6-4000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10732.8 lumens  
Efficiency: N/A  
Efficacy: 128.7 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')  
CIE Type: Semi-Indirect  
  
Input Watts (W): 83.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P935840  
CATALOG NUMBER: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-6-4000K

### Luminous Intensity Polar Plot



— 0°-180°    - - 45°-225°    - - - 90°-270°    - - - 135°-315°



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	101	101	101	101	90	90	90	90	69	69	69	49	49	49	32	32	32	23
1	92	88	84	81	81	78	75	72	60	58	56	43	42	41	28	27	27	20
2	84	77	71	66	74	68	63	59	52	49	46	38	36	34	25	24	23	17
3	76	67	60	55	67	60	54	49	46	42	39	34	31	29	22	20	19	14
4	70	59	52	46	62	53	47	42	41	37	33	30	27	25	19	18	16	12
5	64	53	45	39	56	47	40	36	36	32	28	27	24	21	17	16	14	10
6	59	47	39	34	52	42	35	31	33	28	24	24	21	18	16	14	12	9
7	54	42	35	29	48	38	31	27	30	25	21	22	19	16	14	12	11	8
8	50	38	31	26	44	34	28	23	27	22	19	20	17	14	13	11	10	7
9	46	35	28	23	41	31	25	21	24	20	17	18	15	13	12	10	9	6
10	43	32	25	20	38	28	22	18	22	18	15	17	14	11	11	9	8	6

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	5983	5983	5983	5983
5°	6026	6040	6026	4749
10°	5983	5950	5983	4253
15°	5916	5821	5916	4860
20°	5790	5668	5790	4871
25°	5534	5446	5534	4768
30°	5205	5261	5205	4541
35°	4639	5026	4639	4292
40°	3863	4751	3863	4104
45°	3449	4429	3449	3887
50°	3661	4045	3661	3670
55°	3442	3631	3442	3545
60°	3543	3084	3543	3246
65°	3208	2549	3208	2849
70°	2216	2031	2216	2389
75°	1937	1501	1937	1798
80°	1549	992	1549	1081
85°	870	526	870	447

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 5290 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	87.3	0.8
10°-20°	247.9	2.3
20°-30°	383.2	3.6
30°-40°	457.5	4.3
40°-50°	460.1	4.3
50°-60°	400.4	3.7
60°-70°	283.9	2.6
70°-80°	150.2	1.4
80°-90°	42.2	0.4
90°-100°	618.1	5.8
100°-110°	1625.0	15.1
110°-120°	1685.0	15.7
120°-130°	1351.5	12.6
130°-140°	1060.5	9.9
140°-150°	814.0	7.6
150°-160°	586.2	5.5
160°-170°	358.7	3.3
170°-180°	121.2	1.1
0°-30°	718.4	6.7
0°-40°	1175.9	11.0
0°-60°	2036.4	19.0
0°-90°	2512.7	23.4
90°-120°	3928.1	36.6
90°-150°	7154.1	66.7
90°-180°	8220.0	76.6
0°-180°	10732.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	967	967	967	967	967	
5°	972	1002	972	788	972	92
15°	928	993	928	829	928	261
25°	817	926	817	811	817	375
35°	621	826	621	706	621	384
45°	401	681	401	598	401	321
55°	327	502	327	490	327	300
65°	227	303	227	339	227	217
75°	86	144	86	172	86	90
85°	15	37	15	31	15	20
90°	9	32	9	32	9	8
95°	82	374	82	374	82	91
105°	293	2544	293	2544	293	310
115°	520	3276	520	3276	520	514
125°	723	2609	723	2609	723	642
135°	862	2025	862	2025	862	667
145°	1000	1642	1000	1642	1000	626
155°	1130	1414	1130	1414	1130	519
165°	1220	1317	1220	1317	1220	344
175°	1268	1276	1268	1276	1268	120
180°	1268	1268	1268	1268	1268	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	967.2	967.2	967.2	967.2	967.2	967.2	967.2	967.2	967.2	967.2	967.2
2.5°	975.5	975.5	981.0	982.8	982.8	980.0	977.3	980.0	988.3	991.0	990.1
5°	971.8	979.1	989.2	991.0	992.9	992.0	990.1	992.0	1001.1	1003.0	1003.9
7.5°	964.5	978.2	991.0	993.8	996.5	993.8	992.9	994.7	1003.9	1005.7	1005.7
10°	955.3	974.6	989.2	991.0	993.8	991.0	991.0	994.7	1003.9	1005.7	1006.6
12.5°	942.6	969.0	982.8	984.6	988.3	987.4	986.4	990.1	999.2	1001.1	1001.1
15°	927.9	959.0	971.8	973.7	980.0	978.2	978.2	981.9	992.0	994.7	993.8
17.5°	907.7	946.2	960.8	963.6	968.1	967.2	968.1	971.8	981.0	982.8	983.7
20°	884.9	928.8	946.2	948.9	953.5	953.5	953.5	958.1	967.2	970.9	970.9
22.5°	853.8	910.5	928.8	930.6	936.1	936.1	937.9	944.4	952.6	953.5	953.5
25°	817.1	890.4	905.9	911.5	916.9	919.6	922.4	926.1	928.8	927.9	928.8
27.5°	778.7	864.7	884.9	888.5	895.9	898.6	902.3	903.2	904.1	906.8	905.0
30°	735.7	829.0	859.2	862.9	874.8	876.6	873.0	874.8	879.3	881.3	883.1
32.5°	687.2	776.0	832.7	841.0	852.0	846.4	845.5	848.2	855.6	855.6	857.4
35°	621.4	734.8	808.0	815.3	823.6	817.1	820.9	821.8	826.3	829.0	828.1
37.5°	549.1	699.1	782.4	787.8	794.3	786.0	791.6	794.3	797.9	796.1	796.1
40°	485.0	643.3	752.2	755.8	761.4	754.9	760.5	762.3	764.1	762.3	761.4
42.5°	437.4	582.0	720.2	724.7	721.1	725.6	727.5	731.2	728.4	724.7	724.7
45°	400.8	565.5	685.4	690.9	685.4	692.7	695.4	695.4	687.2	685.4	684.5
47.5°	388.9	532.6	650.7	650.7	647.8	657.0	661.6	655.2	646.9	644.2	644.2
50°	388.0	495.9	603.0	599.4	612.2	623.2	618.6	612.2	605.8	595.7	595.7
52.5°	352.3	451.1	541.7	555.4	575.6	582.0	574.7	568.3	557.2	552.7	549.1
55°	326.7	404.4	485.9	513.4	534.4	542.6	529.0	522.5	506.0	503.3	501.5
57.5°	321.2	336.7	434.6	469.5	495.0	494.1	485.9	474.0	460.3	457.5	456.6
60°	294.6	243.4	379.8	421.0	447.5	444.7	437.4	426.4	413.6	411.8	410.0
62.5°	267.2	176.7	317.6	364.2	401.7	400.8	394.4	378.0	368.8	364.2	360.6
65°	227.0	148.3	226.0	302.9	356.9	358.7	345.0	333.1	323.0	317.6	316.6
67.5°	172.9	120.8	152.8	252.6	313.9	312.0	294.6	289.2	276.3	273.6	268.2
70°	128.1	80.5	106.2	204.9	271.8	267.2	253.5	247.1	235.1	228.8	225.1
72.5°	106.2	64.9	77.8	159.2	228.8	223.3	211.4	204.0	194.0	188.5	184.8
75°	86.1	68.6	59.5	118.1	185.7	182.1	171.1	163.8	155.5	148.3	149.2
77.5°	63.1	64.0	47.6	87.0	147.4	141.8	135.4	126.3	122.6	115.3	115.3
80°	47.6	50.3	35.7	59.5	106.2	106.2	100.7	94.2	87.9	84.2	84.2
82.5°	32.0	32.0	26.6	37.5	72.3	69.6	65.9	64.0	60.4	58.6	58.6
85°	14.6	18.3	16.5	22.8	39.4	41.2	41.2	39.4	38.5	36.6	37.5
87.5°	4.5	8.3	10.1	12.8	20.1	21.0	21.9	21.9	21.9	22.8	22.8
90°	8.6	15.4	22.1	23.8	37.5	55.6	64.7	57.5	43.1	32.4	32.4
92.5°	34.0	91.9	149.8	164.3	231.0	319.8	364.2	319.2	229.2	161.7	155.3
95°	81.7	187.6	293.5	320.0	568.3	899.2	1064.6	950.0	720.8	548.9	529.4
97.5°	141.3	234.7	328.1	351.5	765.4	1317.2	1593.1	1520.7	1375.8	1267.2	1230.1
100°	187.2	272.0	356.7	377.9	837.1	1449.5	1755.7	1761.0	1771.6	1779.5	1735.4
102.5°	226.4	305.5	384.5	404.2	870.1	1491.1	1801.6	1893.9	2078.4	2216.9	2179.0
105°	292.7	359.7	426.6	443.4	894.4	1495.8	1796.5	2003.4	2417.2	2727.5	2707.2
107.5°	360.9	423.3	485.7	501.2	898.9	1429.2	1694.4	1983.0	2560.2	2993.1	2998.0
110°	406.8	463.2	519.5	533.6	892.2	1370.2	1609.2	1931.9	2577.2	3061.1	3082.3



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	451.9	505.6	559.2	572.7	892.4	1318.7	1531.8	1862.0	2522.4	3017.7	3050.3
115°	519.9	569.5	619.1	631.5	900.6	1259.6	1439.0	1757.1	2393.3	2870.5	2915.6
117.5°	587.2	632.2	677.2	688.5	917.5	1222.6	1375.3	1662.4	2236.4	2667.1	2717.1
120°	626.4	668.8	711.2	721.7	931.0	1210.2	1349.7	1612.1	2136.6	2530.1	2578.6
122.5°	664.7	707.4	750.2	760.8	950.6	1203.6	1330.2	1566.4	2038.8	2393.1	2441.0
125°	723.3	762.3	801.3	811.0	977.0	1198.3	1308.9	1509.5	1910.8	2211.8	2255.9
127.5°	771.0	810.3	849.7	859.5	1003.3	1195.1	1291.0	1463.2	1807.8	2066.2	2103.5
130°	796.6	839.0	881.3	891.9	1022.7	1197.1	1284.2	1437.6	1744.3	1974.4	2008.8
132.5°	822.9	865.3	907.7	918.3	1038.3	1198.3	1278.2	1415.5	1690.1	1896.0	1926.9
135°	862.1	900.6	939.3	948.9	1055.3	1197.1	1268.0	1383.0	1613.0	1785.4	1812.0
137.5°	902.1	940.3	978.5	988.0	1080.8	1204.5	1266.3	1363.5	1557.9	1703.8	1725.5
140°	935.3	970.5	1005.6	1014.4	1096.4	1205.7	1260.4	1344.4	1512.3	1638.3	1658.5
142.5°	960.8	993.3	1025.9	1034.0	1109.5	1210.1	1260.4	1334.2	1481.6	1592.2	1609.7
145°	1000.0	1028.3	1056.7	1063.8	1126.5	1210.1	1251.8	1312.2	1432.9	1523.4	1536.6
147.5°	1039.1	1066.7	1094.3	1101.2	1151.4	1218.4	1251.8	1299.3	1394.2	1465.4	1476.4
150°	1064.6	1089.6	1114.5	1120.8	1164.4	1222.7	1251.8	1292.0	1372.1	1432.2	1441.1
152.5°	1091.0	1109.9	1128.9	1133.6	1173.0	1225.6	1251.8	1286.0	1354.5	1405.8	1412.6
155°	1130.1	1144.1	1158.1	1161.6	1191.7	1231.8	1251.8	1279.0	1333.5	1374.4	1378.8
157.5°	1159.1	1172.7	1186.3	1189.7	1210.5	1238.0	1251.8	1273.0	1315.4	1347.2	1350.3
160°	1178.7	1189.3	1199.8	1202.4	1218.9	1240.8	1251.8	1270.0	1306.3	1333.5	1335.3
162.5°	1198.3	1206.2	1214.1	1216.1	1228.0	1243.9	1251.8	1267.1	1297.8	1320.8	1322.5
165°	1219.6	1226.7	1233.8	1235.7	1241.0	1248.2	1251.8	1262.8	1284.8	1301.2	1303.1
167.5°	1239.1	1242.5	1245.9	1246.7	1251.3	1257.4	1260.4	1267.6	1282.0	1292.7	1293.4
170°	1251.8	1255.2	1258.7	1259.5	1259.8	1260.2	1260.4	1267.6	1282.0	1292.7	1292.7
172.5°	1258.7	1259.4	1260.2	1260.4	1260.4	1260.4	1260.4	1266.0	1277.4	1285.9	1285.2
175°	1268.0	1268.0	1268.0	1268.0	1265.5	1262.1	1260.4	1263.9	1271.1	1276.5	1276.5
177.5°	1268.0	1268.0	1268.0	1268.0	1266.0	1263.4	1262.0	1264.9	1270.6	1274.9	1274.1
180°	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	967.2	967.2	967.2	967.2	967.2	967.2	967.2	967.2	967.2	967.2	967.2
2.5°	992.0	989.2	992.0	990.1	991.0	988.3	980.0	977.3	980.0	982.8	982.8
5°	1003.9	1002.0	1003.9	1003.9	1003.0	1001.1	992.0	990.1	992.0	992.9	991.0
7.5°	1007.5	1004.8	1007.5	1005.7	1005.7	1003.9	994.7	992.9	993.8	996.5	993.8
10°	1007.5	1004.8	1007.5	1006.6	1005.7	1003.9	994.7	991.0	991.0	993.8	991.0
12.5°	1003.0	1001.1	1003.0	1001.1	1001.1	999.2	990.1	986.4	987.4	988.3	984.6
15°	995.6	992.9	995.6	993.8	994.7	992.0	981.9	978.2	978.2	980.0	973.7
17.5°	984.6	981.0	984.6	983.7	982.8	981.0	971.8	968.1	967.2	968.1	963.6
20°	971.8	969.0	971.8	970.9	970.9	967.2	958.1	953.5	953.5	953.5	948.9
22.5°	951.7	948.9	951.7	953.5	953.5	952.6	944.4	937.9	936.1	936.1	930.6
25°	928.8	926.1	928.8	928.8	927.9	928.8	926.1	922.4	919.6	916.9	911.5
27.5°	906.8	905.0	906.8	905.0	906.8	904.1	903.2	902.3	898.6	895.9	888.5
30°	884.9	883.1	884.9	883.1	881.3	879.3	874.8	873.0	876.6	874.8	862.9
32.5°	857.4	855.6	857.4	857.4	855.6	855.6	848.2	845.5	846.4	852.0	841.0
35°	829.0	826.3	829.0	828.1	829.0	826.3	821.8	820.9	817.1	823.6	815.3
37.5°	796.1	793.4	796.1	796.1	796.1	797.9	794.3	791.6	786.0	794.3	787.8
40°	762.3	758.6	762.3	761.4	762.3	764.1	762.3	760.5	754.9	761.4	755.8
42.5°	723.8	722.9	723.8	724.7	724.7	728.4	731.2	727.5	725.6	721.1	724.7
45°	682.7	680.8	682.7	684.5	685.4	687.2	695.4	695.4	692.7	685.4	690.9
47.5°	638.7	634.1	638.7	644.2	644.2	646.9	655.2	661.6	657.0	647.8	650.7
50°	592.1	593.0	592.1	595.7	595.7	605.8	612.2	618.6	623.2	612.2	599.4
52.5°	546.3	545.4	546.3	549.1	552.7	557.2	568.3	574.7	582.0	575.6	555.4
55°	500.6	502.4	500.6	501.5	503.3	506.0	522.5	529.0	542.6	534.4	513.4
57.5°	454.8	452.1	454.8	456.6	457.5	460.3	474.0	485.9	494.1	495.0	469.5
60°	401.7	398.1	401.7	410.0	411.8	413.6	426.4	437.4	444.7	447.5	421.0
62.5°	355.0	348.7	355.0	360.6	364.2	368.8	378.0	394.4	400.8	401.7	364.2
65°	305.6	302.9	305.6	316.6	317.6	323.0	333.1	345.0	358.7	356.9	302.9
67.5°	260.8	260.8	260.8	268.2	273.6	276.3	289.2	294.6	312.0	313.9	252.6
70°	219.6	218.7	219.6	225.1	228.8	235.1	247.1	253.5	267.2	271.8	204.9
72.5°	180.3	179.4	180.3	184.8	188.5	194.0	204.0	211.4	223.3	228.8	159.2
75°	145.5	143.6	145.5	149.2	148.3	155.5	163.8	171.1	182.1	185.7	118.1
77.5°	111.6	111.6	111.6	115.3	115.3	122.6	126.3	135.4	141.8	147.4	87.0
80°	83.2	82.3	83.2	84.2	84.2	87.9	94.2	100.7	106.2	106.2	59.5
82.5°	58.6	56.8	58.6	58.6	58.6	60.4	64.0	65.9	69.6	72.3	37.5
85°	36.6	36.6	36.6	37.5	36.6	38.5	39.4	41.2	41.2	39.4	22.8
87.5°	23.8	22.8	23.8	22.8	22.8	21.9	21.9	21.9	21.0	20.1	12.8
90°	32.4	32.4	32.4	32.4	32.4	43.1	57.5	64.7	55.6	37.5	23.8
92.5°	129.5	103.8	129.5	155.3	161.7	229.2	319.2	364.2	319.8	231.0	164.3
95°	451.5	373.6	451.5	529.4	548.9	720.8	950.0	1064.6	899.2	568.3	320.0
97.5°	1081.8	933.6	1081.8	1230.1	1267.2	1375.8	1520.7	1593.1	1317.2	765.4	351.5
100°	1558.8	1382.1	1558.8	1735.4	1779.5	1771.6	1761.0	1755.7	1449.5	837.1	377.9
102.5°	2027.8	1876.5	2027.8	2179.0	2216.9	2078.4	1893.9	1801.6	1491.1	870.1	404.2
105°	2625.8	2544.5	2625.8	2707.2	2727.5	2417.2	2003.4	1796.5	1495.8	894.4	443.4
107.5°	3017.6	3037.3	3017.6	2998.0	2993.1	2560.2	1983.0	1694.4	1429.2	898.9	501.2
110°	3167.0	3251.8	3167.0	3082.3	3061.1	2577.2	1931.9	1609.2	1370.2	892.2	533.6





TEST NUMBER: P935840

CATALOG NUMBER: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-6-4000K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3180.4	3310.4	3180.4	3050.3	3017.7	2522.4	1862.0	1531.8	1318.7	892.4	572.7
115°	3095.9	3276.4	3095.9	2915.6	2870.5	2393.3	1757.1	1439.0	1259.6	900.6	631.5
117.5°	2917.2	3117.3	2917.2	2717.1	2667.1	2236.4	1662.4	1375.3	1222.6	917.5	688.5
120°	2773.1	2967.5	2773.1	2578.6	2530.1	2136.6	1612.1	1349.7	1210.2	931.0	721.7
122.5°	2632.8	2824.5	2632.8	2441.0	2393.1	2038.8	1566.4	1330.2	1203.6	950.6	760.8
125°	2432.6	2609.2	2432.6	2255.9	2211.8	1910.8	1509.5	1308.9	1198.3	977.0	811.0
127.5°	2252.5	2401.6	2252.5	2103.5	2066.2	1807.8	1463.2	1291.0	1195.1	1003.3	859.5
130°	2146.5	2284.1	2146.5	2008.8	1974.4	1744.3	1437.6	1284.2	1197.1	1022.7	891.9
132.5°	2050.1	2173.5	2050.1	1926.9	1896.0	1690.1	1415.5	1278.2	1198.3	1038.3	918.3
135°	1918.3	2024.6	1918.3	1812.0	1785.4	1613.0	1383.0	1268.0	1197.1	1055.3	948.9
137.5°	1812.5	1899.5	1812.5	1725.5	1703.8	1557.9	1363.5	1266.3	1204.5	1080.8	988.0
140°	1739.9	1821.2	1739.9	1658.5	1638.3	1512.3	1344.4	1260.4	1205.7	1096.4	1014.4
142.5°	1679.7	1749.7	1679.7	1609.7	1592.2	1481.6	1334.2	1260.4	1210.1	1109.5	1034.0
145°	1589.5	1642.4	1589.5	1536.6	1523.4	1432.9	1312.2	1251.8	1210.1	1126.5	1063.8
147.5°	1520.3	1564.2	1520.3	1476.4	1465.4	1394.2	1299.3	1251.8	1218.4	1151.4	1101.2
150°	1476.7	1512.3	1476.7	1441.1	1432.2	1372.1	1292.0	1251.8	1222.7	1164.4	1120.8
152.5°	1439.4	1466.3	1439.4	1412.6	1405.8	1354.5	1286.0	1251.8	1225.6	1173.0	1133.6
155°	1396.6	1414.4	1396.6	1378.8	1374.4	1333.5	1279.0	1251.8	1231.8	1191.7	1161.6
157.5°	1362.8	1375.3	1362.8	1350.3	1347.2	1315.4	1273.0	1251.8	1238.0	1210.5	1189.7
160°	1342.5	1349.7	1342.5	1335.3	1333.5	1306.3	1270.0	1251.8	1240.8	1218.9	1202.4
162.5°	1329.3	1336.1	1329.3	1322.5	1320.8	1297.8	1267.1	1251.8	1243.9	1228.0	1216.1
165°	1310.2	1317.3	1310.2	1303.1	1301.2	1284.8	1262.8	1251.8	1248.2	1241.0	1235.7
167.5°	1296.5	1299.5	1296.5	1293.4	1292.7	1282.0	1267.6	1260.4	1257.4	1251.3	1246.7
170°	1292.7	1292.7	1292.7	1292.7	1292.7	1282.0	1267.6	1260.4	1260.2	1259.8	1259.5
172.5°	1282.6	1280.0	1282.6	1285.2	1285.9	1277.4	1266.0	1260.4	1260.4	1260.4	1260.4
175°	1276.5	1276.5	1276.5	1276.5	1276.5	1271.1	1263.9	1260.4	1262.1	1265.5	1268.0
177.5°	1271.0	1268.0	1271.0	1274.1	1274.9	1270.6	1264.9	1262.0	1263.4	1266.0	1268.0
180°	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0



TEST NUMBER: P935840

CATALOG NUMBER: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-6-4000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	967.2	967.2	967.2	967.2	967.2	967.2	967.2	967.2	967.2	967.2	967.2
2.5°	981.0	975.5	975.5	966.3	962.7	959.9	955.3	941.7	937.9	934.3	939.7
5°	989.2	979.1	971.8	955.3	941.7	936.1	918.7	885.8	863.8	847.3	838.2
7.5°	991.0	978.2	964.5	938.8	905.9	891.3	838.2	777.8	761.4	746.7	737.5
10°	989.2	974.6	955.3	916.9	839.1	813.5	760.5	721.1	711.0	708.2	711.0
12.5°	982.8	969.0	942.6	878.4	769.6	752.2	721.1	698.2	696.3	701.0	725.6
15°	971.8	959.0	927.9	827.2	731.2	718.3	696.3	688.1	698.2	730.3	804.4
17.5°	960.8	946.2	907.7	776.9	701.9	692.7	677.1	693.6	750.4	793.4	818.0
20°	946.2	928.8	884.9	740.3	680.8	672.6	665.2	739.4	782.4	797.9	811.7
22.5°	928.8	910.5	853.8	714.7	658.9	652.5	657.0	765.0	782.4	793.4	805.3
25°	905.9	890.4	817.1	694.5	641.5	634.1	651.6	762.3	772.3	775.1	798.8
27.5°	884.9	864.7	778.7	676.2	620.5	617.6	656.1	750.4	757.7	760.5	786.0
30°	859.2	829.0	735.7	657.0	598.5	597.5	657.0	735.7	733.9	741.2	766.8
32.5°	832.7	776.0	687.2	633.2	577.4	576.5	650.7	713.8	712.0	722.0	741.2
35°	808.0	734.8	621.4	605.8	550.9	551.8	635.0	688.1	689.1	698.2	710.1
37.5°	782.4	699.1	549.1	575.6	525.2	525.2	614.0	664.3	662.5	665.2	681.8
40°	752.2	643.3	485.0	536.2	501.5	498.8	588.4	638.7	632.3	631.4	654.3
42.5°	720.2	582.0	437.4	484.1	474.0	470.4	557.2	607.6	595.7	598.5	627.7
45°	685.4	565.5	400.8	409.1	445.6	442.9	523.4	571.9	563.7	571.0	601.2
47.5°	650.7	532.6	388.9	339.5	415.4	414.5	485.9	537.1	532.6	539.9	571.9
50°	603.0	495.9	388.0	291.0	381.6	385.2	441.1	503.3	503.3	509.7	543.6
52.5°	541.7	451.1	352.3	263.5	342.2	353.2	401.7	474.0	475.8	482.3	512.4
55°	485.9	404.4	326.7	242.5	295.5	319.4	363.3	443.8	447.5	453.9	481.3
57.5°	434.6	336.7	321.2	217.8	252.6	275.4	329.5	414.5	416.3	421.9	448.4
60°	379.8	243.4	294.6	191.2	215.0	232.4	298.3	379.8	386.1	389.8	412.7
62.5°	317.6	176.7	267.2	172.9	196.8	200.4	272.7	346.8	355.0	357.8	371.5
65°	226.0	148.3	227.0	157.4	177.6	178.5	245.2	312.9	320.3	324.8	334.9
67.5°	152.8	120.8	172.9	142.7	162.9	163.8	218.7	273.6	283.7	287.4	293.7
70°	106.2	80.5	128.1	127.2	146.5	148.3	190.3	238.0	247.1	249.8	253.5
72.5°	77.8	64.9	106.2	114.3	129.0	130.9	161.1	197.7	206.9	209.6	211.4
75°	59.5	68.6	86.1	99.8	109.8	110.7	131.8	161.1	167.5	169.3	170.2
77.5°	47.6	64.0	63.1	80.5	89.7	87.9	103.4	124.4	129.9	129.9	129.9
80°	35.7	50.3	47.6	57.7	65.9	64.0	74.1	88.8	90.6	92.4	91.5
82.5°	26.6	32.0	32.0	36.6	43.9	42.1	49.4	57.7	57.7	57.7	59.5
85°	16.5	18.3	14.6	19.2	24.7	23.8	27.5	31.1	32.0	32.0	30.2
87.5°	10.1	8.3	4.5	7.3	11.0	11.0	12.8	13.7	12.8	12.8	12.8
90°	22.1	15.4	8.6	15.4	22.1	23.8	37.5	55.6	64.7	57.5	43.1
92.5°	149.8	91.9	34.0	91.9	149.8	164.3	231.0	319.8	364.2	319.2	229.2
95°	293.5	187.6	81.7	187.6	293.5	320.0	568.3	899.2	1064.6	950.0	720.8
97.5°	328.1	234.7	141.3	234.7	328.1	351.5	765.4	1317.2	1593.1	1520.7	1375.8
100°	356.7	272.0	187.2	272.0	356.7	377.9	837.1	1449.5	1755.7	1761.0	1771.6
102.5°	384.5	305.5	226.4	305.5	384.5	404.2	870.1	1491.1	1801.6	1893.9	2078.4
105°	426.6	359.7	292.7	359.7	426.6	443.4	894.4	1495.8	1796.5	2003.4	2417.2
107.5°	485.7	423.3	360.9	423.3	485.7	501.2	898.9	1429.2	1694.4	1983.0	2560.2
110°	519.5	463.2	406.8	463.2	519.5	533.6	892.2	1370.2	1609.2	1931.9	2577.2



TEST NUMBER: P935840

CATALOG NUMBER: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-6-4000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	559.2	505.6	451.9	505.6	559.2	572.7	892.4	1318.7	1531.8	1862.0	2522.4
115°	619.1	569.5	519.9	569.5	619.1	631.5	900.6	1259.6	1439.0	1757.1	2393.3
117.5°	677.2	632.2	587.2	632.2	677.2	688.5	917.5	1222.6	1375.3	1662.4	2236.4
120°	711.2	668.8	626.4	668.8	711.2	721.7	931.0	1210.2	1349.7	1612.1	2136.6
122.5°	750.2	707.4	664.7	707.4	750.2	760.8	950.6	1203.6	1330.2	1566.4	2038.8
125°	801.3	762.3	723.3	762.3	801.3	811.0	977.0	1198.3	1308.9	1509.5	1910.8
127.5°	849.7	810.3	771.0	810.3	849.7	859.5	1003.3	1195.1	1291.0	1463.2	1807.8
130°	881.3	839.0	796.6	839.0	881.3	891.9	1022.7	1197.1	1284.2	1437.6	1744.3
132.5°	907.7	865.3	822.9	865.3	907.7	918.3	1038.3	1198.3	1278.2	1415.5	1690.1
135°	939.3	900.6	862.1	900.6	939.3	948.9	1055.3	1197.1	1268.0	1383.0	1613.0
137.5°	978.5	940.3	902.1	940.3	978.5	988.0	1080.8	1204.5	1266.3	1363.5	1557.9
140°	1005.6	970.5	935.3	970.5	1005.6	1014.4	1096.4	1205.7	1260.4	1344.4	1512.3
142.5°	1025.9	993.3	960.8	993.3	1025.9	1034.0	1109.5	1210.1	1260.4	1334.2	1481.6
145°	1056.7	1028.3	1000.0	1028.3	1056.7	1063.8	1126.5	1210.1	1251.8	1312.2	1432.9
147.5°	1094.3	1066.7	1039.1	1066.7	1094.3	1101.2	1151.4	1218.4	1251.8	1299.3	1394.2
150°	1114.5	1089.6	1064.6	1089.6	1114.5	1120.8	1164.4	1222.7	1251.8	1292.0	1372.1
152.5°	1128.9	1109.9	1091.0	1109.9	1128.9	1133.6	1173.0	1225.6	1251.8	1286.0	1354.5
155°	1158.1	1144.1	1130.1	1144.1	1158.1	1161.6	1191.7	1231.8	1251.8	1279.0	1333.5
157.5°	1186.3	1172.7	1159.1	1172.7	1186.3	1189.7	1210.5	1238.0	1251.8	1273.0	1315.4
160°	1199.8	1189.3	1178.7	1189.3	1199.8	1202.4	1218.9	1240.8	1251.8	1270.0	1306.3
162.5°	1214.1	1206.2	1198.3	1206.2	1214.1	1216.1	1228.0	1243.9	1251.8	1267.1	1297.8
165°	1233.8	1226.7	1219.6	1226.7	1233.8	1235.7	1241.0	1248.2	1251.8	1262.8	1284.8
167.5°	1245.9	1242.5	1239.1	1242.5	1245.9	1246.7	1251.3	1257.4	1260.4	1267.6	1282.0
170°	1258.7	1255.2	1251.8	1255.2	1258.7	1259.5	1259.8	1260.2	1260.4	1267.6	1282.0
172.5°	1260.2	1259.4	1258.7	1259.4	1260.2	1260.4	1260.4	1260.4	1260.4	1266.0	1277.4
175°	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1265.5	1262.1	1260.4	1263.9	1271.1
177.5°	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1266.0	1263.4	1262.0	1264.9	1270.6
180°	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0



TEST NUMBER: P935840

CATALOG NUMBER: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-6-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	967.2	967.2	967.2	967.2	967.2	967.2	967.2	967.2	967.2	967.2	967.2
2.5°	933.4	930.6	934.3	924.2	934.3	930.6	933.4	939.7	934.3	937.9	941.7
5°	819.0	814.4	799.8	787.8	799.8	814.4	819.0	838.2	847.3	863.8	885.8
7.5°	732.1	728.4	724.7	717.4	724.7	728.4	732.1	737.5	746.7	761.4	777.8
10°	712.9	713.8	719.2	718.3	719.2	713.8	712.9	711.0	708.2	711.0	721.1
12.5°	762.3	770.5	800.7	798.8	800.7	770.5	762.3	725.6	701.0	696.3	698.2
15°	819.0	821.8	828.1	829.0	828.1	821.8	819.0	804.4	730.3	698.2	688.1
17.5°	824.5	825.4	830.0	830.0	830.0	825.4	824.5	818.0	793.4	750.4	693.6
20°	819.9	821.8	830.9	832.7	830.9	821.8	819.9	811.7	797.9	782.4	739.4
22.5°	818.0	821.8	829.0	828.1	829.0	821.8	818.0	805.3	793.4	782.4	765.0
25°	808.9	808.9	809.8	810.8	809.8	808.9	808.9	798.8	775.1	772.3	762.3
27.5°	789.7	791.6	797.0	796.1	797.0	791.6	789.7	786.0	760.5	757.7	750.4
30°	772.3	770.5	765.9	762.3	765.9	770.5	772.3	766.8	741.2	733.9	735.7
32.5°	743.1	738.4	733.9	731.2	733.9	738.4	743.1	741.2	722.0	712.0	713.8
35°	708.2	709.2	708.2	705.5	708.2	709.2	708.2	710.1	698.2	689.1	688.1
37.5°	683.6	685.4	684.5	680.8	684.5	685.4	683.6	681.8	665.2	662.5	664.3
40°	657.9	658.9	657.9	655.2	657.9	658.9	657.9	654.3	631.4	632.3	638.7
42.5°	633.2	632.3	629.6	627.7	629.6	632.3	633.2	627.7	598.5	595.7	607.6
45°	604.9	605.8	600.3	597.5	600.3	605.8	604.9	601.2	571.0	563.7	571.9
47.5°	576.5	576.5	571.9	569.2	571.9	576.5	576.5	571.9	539.9	532.6	537.1
50°	546.3	545.4	539.0	538.1	539.0	545.4	546.3	543.6	509.7	503.3	503.3
52.5°	511.5	511.5	512.4	514.3	512.4	511.5	511.5	512.4	482.3	475.8	474.0
55°	481.3	482.3	488.7	490.5	488.7	482.3	481.3	481.3	453.9	447.5	443.8
57.5°	450.2	450.2	454.8	454.8	454.8	450.2	450.2	448.4	421.9	416.3	414.5
60°	414.5	416.3	420.0	419.1	420.0	416.3	414.5	412.7	389.8	386.1	379.8
62.5°	377.0	378.9	379.8	378.0	379.8	378.9	377.0	371.5	357.8	355.0	346.8
65°	337.7	339.5	340.4	338.6	340.4	339.5	337.7	334.9	324.8	320.3	312.9
67.5°	297.4	296.5	295.5	299.3	295.5	296.5	297.4	293.7	287.4	283.7	273.6
70°	256.2	256.2	255.3	257.2	255.3	256.2	256.2	253.5	249.8	247.1	238.0
72.5°	212.3	211.4	215.0	212.3	215.0	211.4	212.3	211.4	209.6	206.9	197.7
75°	169.3	171.1	169.3	172.0	169.3	171.1	169.3	170.2	169.3	167.5	161.1
77.5°	129.0	130.9	129.0	129.0	129.0	130.9	129.0	129.9	129.9	129.9	124.4
80°	91.5	90.6	90.6	89.7	90.6	90.6	91.5	91.5	92.4	90.6	88.8
82.5°	58.6	57.7	57.7	59.5	57.7	57.7	58.6	59.5	57.7	57.7	57.7
85°	32.0	32.9	31.1	31.1	31.1	32.9	32.0	30.2	32.0	32.0	31.1
87.5°	11.9	11.0	11.0	11.0	11.0	11.0	11.9	12.8	12.8	12.8	13.7
90°	32.4	32.4	32.4	32.4	32.4	32.4	32.4	43.1	57.5	64.7	55.6
92.5°	161.7	155.3	129.5	103.8	129.5	155.3	161.7	229.2	319.2	364.2	319.8
95°	548.9	529.4	451.5	373.6	451.5	529.4	548.9	720.8	950.0	1064.6	899.2
97.5°	1267.2	1230.1	1081.8	933.6	1081.8	1230.1	1267.2	1375.8	1520.7	1593.1	1317.2
100°	1779.5	1735.4	1558.8	1382.1	1558.8	1735.4	1779.5	1771.6	1761.0	1755.7	1449.5
102.5°	2216.9	2179.0	2027.8	1876.5	2027.8	2179.0	2216.9	2078.4	1893.9	1801.6	1491.1
105°	2727.5	2707.2	2625.8	2544.5	2625.8	2707.2	2727.5	2417.2	2003.4	1796.5	1495.8
107.5°	2993.1	2998.0	3017.6	3037.3	3017.6	2998.0	2993.1	2560.2	1983.0	1694.4	1429.2
110°	3061.1	3082.3	3167.0	3251.8	3167.0	3082.3	3061.1	2577.2	1931.9	1609.2	1370.2



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3017.7	3050.3	3180.4	3310.4	3180.4	3050.3	3017.7	2522.4	1862.0	1531.8	1318.7
115°	2870.5	2915.6	3095.9	3276.4	3095.9	2915.6	2870.5	2393.3	1757.1	1439.0	1259.6
117.5°	2667.1	2717.1	2917.2	3117.3	2917.2	2717.1	2667.1	2236.4	1662.4	1375.3	1222.6
120°	2530.1	2578.6	2773.1	2967.5	2773.1	2578.6	2530.1	2136.6	1612.1	1349.7	1210.2
122.5°	2393.1	2441.0	2632.8	2824.5	2632.8	2441.0	2393.1	2038.8	1566.4	1330.2	1203.6
125°	2211.8	2255.9	2432.6	2609.2	2432.6	2255.9	2211.8	1910.8	1509.5	1308.9	1198.3
127.5°	2066.2	2103.5	2252.5	2401.6	2252.5	2103.5	2066.2	1807.8	1463.2	1291.0	1195.1
130°	1974.4	2008.8	2146.5	2284.1	2146.5	2008.8	1974.4	1744.3	1437.6	1284.2	1197.1
132.5°	1896.0	1926.9	2050.1	2173.5	2050.1	1926.9	1896.0	1690.1	1415.5	1278.2	1198.3
135°	1785.4	1812.0	1918.3	2024.6	1918.3	1812.0	1785.4	1613.0	1383.0	1268.0	1197.1
137.5°	1703.8	1725.5	1812.5	1899.5	1812.5	1725.5	1703.8	1557.9	1363.5	1266.3	1204.5
140°	1638.3	1658.5	1739.9	1821.2	1739.9	1658.5	1638.3	1512.3	1344.4	1260.4	1205.7
142.5°	1592.2	1609.7	1679.7	1749.7	1679.7	1609.7	1592.2	1481.6	1334.2	1260.4	1210.1
145°	1523.4	1536.6	1589.5	1642.4	1589.5	1536.6	1523.4	1432.9	1312.2	1251.8	1210.1
147.5°	1465.4	1476.4	1520.3	1564.2	1520.3	1476.4	1465.4	1394.2	1299.3	1251.8	1218.4
150°	1432.2	1441.1	1476.7	1512.3	1476.7	1441.1	1432.2	1372.1	1292.0	1251.8	1222.7
152.5°	1405.8	1412.6	1439.4	1466.3	1439.4	1412.6	1405.8	1354.5	1286.0	1251.8	1225.6
155°	1374.4	1378.8	1396.6	1414.4	1396.6	1378.8	1374.4	1333.5	1279.0	1251.8	1231.8
157.5°	1347.2	1350.3	1362.8	1375.3	1362.8	1350.3	1347.2	1315.4	1273.0	1251.8	1238.0
160°	1333.5	1335.3	1342.5	1349.7	1342.5	1335.3	1333.5	1306.3	1270.0	1251.8	1240.8
162.5°	1320.8	1322.5	1329.3	1336.1	1329.3	1322.5	1320.8	1297.8	1267.1	1251.8	1243.9
165°	1301.2	1303.1	1310.2	1317.3	1310.2	1303.1	1301.2	1284.8	1262.8	1251.8	1248.2
167.5°	1292.7	1293.4	1296.5	1299.5	1296.5	1293.4	1292.7	1282.0	1267.6	1260.4	1257.4
170°	1292.7	1292.7	1292.7	1292.7	1292.7	1292.7	1292.7	1282.0	1267.6	1260.4	1260.2
172.5°	1285.9	1285.2	1282.6	1280.0	1282.6	1285.2	1285.9	1277.4	1266.0	1260.4	1260.4
175°	1276.5	1276.5	1276.5	1276.5	1276.5	1276.5	1276.5	1271.1	1263.9	1260.4	1262.1
177.5°	1274.9	1274.1	1271.0	1268.0	1271.0	1274.1	1274.9	1270.6	1264.9	1262.0	1263.4
180°	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	967.2	967.2	967.2	967.2	967.2
2.5°	955.3	959.9	962.7	966.3	975.5
5°	918.7	936.1	941.7	955.3	971.8
7.5°	838.2	891.3	905.9	938.8	964.5
10°	760.5	813.5	839.1	916.9	955.3
12.5°	721.1	752.2	769.6	878.4	942.6
15°	696.3	718.3	731.2	827.2	927.9
17.5°	677.1	692.7	701.9	776.9	907.7
20°	665.2	672.6	680.8	740.3	884.9
22.5°	657.0	652.5	658.9	714.7	853.8
25°	651.6	634.1	641.5	694.5	817.1
27.5°	656.1	617.6	620.5	676.2	778.7
30°	657.0	597.5	598.5	657.0	735.7
32.5°	650.7	576.5	577.4	633.2	687.2
35°	635.0	551.8	550.9	605.8	621.4
37.5°	614.0	525.2	525.2	575.6	549.1
40°	588.4	498.8	501.5	536.2	485.0
42.5°	557.2	470.4	474.0	484.1	437.4
45°	523.4	442.9	445.6	409.1	400.8
47.5°	485.9	414.5	415.4	339.5	388.9
50°	441.1	385.2	381.6	291.0	388.0
52.5°	401.7	353.2	342.2	263.5	352.3
55°	363.3	319.4	295.5	242.5	326.7
57.5°	329.5	275.4	252.6	217.8	321.2
60°	298.3	232.4	215.0	191.2	294.6
62.5°	272.7	200.4	196.8	172.9	267.2
65°	245.2	178.5	177.6	157.4	227.0
67.5°	218.7	163.8	162.9	142.7	172.9
70°	190.3	148.3	146.5	127.2	128.1
72.5°	161.1	130.9	129.0	114.3	106.2
75°	131.8	110.7	109.8	99.8	86.1
77.5°	103.4	87.9	89.7	80.5	63.1
80°	74.1	64.0	65.9	57.7	47.6
82.5°	49.4	42.1	43.9	36.6	32.0
85°	27.5	23.8	24.7	19.2	14.6
87.5°	12.8	11.0	11.0	7.3	4.5
90°	37.5	23.8	22.1	15.4	8.6
92.5°	231.0	164.3	149.8	91.9	34.0
95°	568.3	320.0	293.5	187.6	81.7
97.5°	765.4	351.5	328.1	234.7	141.3
100°	837.1	377.9	356.7	272.0	187.2
102.5°	870.1	404.2	384.5	305.5	226.4
105°	894.4	443.4	426.6	359.7	292.7
107.5°	898.9	501.2	485.7	423.3	360.9
110°	892.2	533.6	519.5	463.2	406.8



TEST NUMBER: P935840

CATALOG NUMBER: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-6-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	892.4	572.7	559.2	505.6	451.9
115°	900.6	631.5	619.1	569.5	519.9
117.5°	917.5	688.5	677.2	632.2	587.2
120°	931.0	721.7	711.2	668.8	626.4
122.5°	950.6	760.8	750.2	707.4	664.7
125°	977.0	811.0	801.3	762.3	723.3
127.5°	1003.3	859.5	849.7	810.3	771.0
130°	1022.7	891.9	881.3	839.0	796.6
132.5°	1038.3	918.3	907.7	865.3	822.9
135°	1055.3	948.9	939.3	900.6	862.1
137.5°	1080.8	988.0	978.5	940.3	902.1
140°	1096.4	1014.4	1005.6	970.5	935.3
142.5°	1109.5	1034.0	1025.9	993.3	960.8
145°	1126.5	1063.8	1056.7	1028.3	1000.0
147.5°	1151.4	1101.2	1094.3	1066.7	1039.1
150°	1164.4	1120.8	1114.5	1089.6	1064.6
152.5°	1173.0	1133.6	1128.9	1109.9	1091.0
155°	1191.7	1161.6	1158.1	1144.1	1130.1
157.5°	1210.5	1189.7	1186.3	1172.7	1159.1
160°	1218.9	1202.4	1199.8	1189.3	1178.7
162.5°	1228.0	1216.1	1214.1	1206.2	1198.3
165°	1241.0	1235.7	1233.8	1226.7	1219.6
167.5°	1251.3	1246.7	1245.9	1242.5	1239.1
170°	1259.8	1259.5	1258.7	1255.2	1251.8
172.5°	1260.4	1260.4	1260.2	1259.4	1258.7
175°	1265.5	1268.0	1268.0	1268.0	1268.0
177.5°	1266.0	1268.0	1268.0	1268.0	1268.0
180°	1268.0	1268.0	1268.0	1268.0	1268.0



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**CIE UGR TABLE:**

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	7.81	8.47	8.96	9.62	11.22	10.63	11.30	11.79	12.44	14.05
	3H	8.27	8.86	9.43	10.02	11.64	11.96	12.56	13.12	13.71	15.33
	4H	8.45	9.02	9.62	10.17	11.79	12.39	12.96	13.57	14.11	15.74
	6H	8.56	9.08	9.74	10.23	11.87	12.67	13.19	13.85	14.34	15.98
	8H	8.56	9.05	9.74	10.22	11.85	12.74	13.23	13.92	14.40	16.03
	12H	8.52	8.99	9.71	10.15	11.80	12.77	13.24	13.95	14.40	16.05
4H	2H	8.81	9.38	10.00	10.53	12.16	11.02	11.58	12.20	12.73	14.36
	3H	9.82	10.29	11.01	11.47	13.11	12.50	12.97	13.69	14.15	15.79
	4H	10.09	10.52	11.28	11.69	13.35	13.02	13.46	14.21	14.62	16.28
	6H	10.20	10.58	11.40	11.76	13.41	13.37	13.74	14.56	14.93	16.58
	8H	10.21	10.55	11.39	11.73	13.39	13.47	13.82	14.66	15.00	16.66
	12H	10.16	10.48	11.37	11.67	13.33	13.52	13.84	14.73	15.02	16.69
8H	4H	10.53	10.87	11.72	12.05	13.72	13.13	13.48	14.32	14.65	16.32
	6H	10.78	11.07	11.99	12.29	13.95	13.56	13.84	14.76	15.06	16.72
	8H	10.82	11.07	12.03	12.27	13.95	13.71	13.95	14.92	15.15	16.83
	12H	10.80	11.01	12.01	12.21	13.92	13.79	14.01	15.01	15.21	16.92
12H	4H	10.52	10.84	11.73	12.03	13.69	13.08	13.40	14.29	14.59	16.26
	6H	10.84	11.09	12.05	12.29	13.97	13.55	13.80	14.77	15.00	16.68
	8H	10.90	11.12	12.11	12.31	14.02	13.70	13.92	14.92	15.12	16.83